STRATA ENERGY INC

A WHOLLY OWNED SUBSIDIARY OF PENINSULA ENERGY LIMITED

March 20, 2015

ATTN: Document Control Desk
Office of Nuclear Material Safety and Safeguards
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

Mr. Andrew Persinko, Deputy Director
Division of Decommissioning, Uranium Recovery, and Waste Programs
Office of Nuclear Materials Safety and Safeguards,
U.S. Nuclear Regulatory Commission
Mailstop T-8F5
11545 Rockville Pike
Rockville, MD 20852-2738

RE: Strata Energy Inc., Kendrick Expansion Area Amendment to License SUA-1601, Docket #40-9091

Dear Sir or Madam:

By this letter, Strata Energy, Inc. (Strata), a United States-based, wholly owned subsidiary of Peninsula Energy, Ltd. (Peninsula) submits this amendment application to the United States Nuclear Regulatory Commission (NRC) Staff requesting authorization to expand its Ross in situ leach uranium recovery (ISR) project to include lands within the Kendrick Expansion Area (KEA). Specific license conditions to be amended are provided in Table 1.1-1 of the Technical Report.

The enclosed amendment application follows the notice of intent (ML14317A133) provided to NRC on October 29, 2014 and a Category 1 public meeting held on February 3, 2015 where NRC staff were briefed on the proposed expansion (meeting summary at ML15068A324). Strata's license amendment application contains the following items: (1) NRC Form 313; (2) a Technical Report (TR); (3) an Environmental Report (ER), and (4) additional addenda and reports related to the aforementioned TR and ER. The license amendment application is being provided solely on DVDs. The DVDs contain complete files (primary text and addenda) in Adobe PDF format that meet the NRC requirements for electronic submittals including optical character recognition (OCR), a resolution of 300 dpi, embedded fonts and in logical blocks of less than 50 MB. Strata believes that the contents of this license amendment application will provide NRC Staff with sufficient detail on technical and environmental issues to satisfy its acceptance review requirements so that detailed technical and environmental review can be conducted with minimal requests for additional information (RAI).

In addition to the enclosed DVDs, Strata is also providing an attachment to this cover letter. Attachment A provides a detailed checklist for the TR that includes acceptance criteria from NUREG-1569.

NMSS01

In April 2015, Strata will provide under separate cover an affidavit and confidential Addendum 3.8-A of the ER. Addendum 3.8-A includes the *Class I and Class III Inventory of Strata Energy's Proposed Kendrick Expansion Area, Crook County, Wyoming*. In this affidavit, Strata is seeking to protect historic and cultural resource information from public disclosure under 10 CFR § 2.390(a)(3).

In May 2015, Strata will provide results of the 1Q15 passive gamma monitoring as the OSLs deployed in 1Q14 provided non-representative data.

Strata appreciates the opportunity to submit this license amendment application, and looks forward to working with NRC Staff in the near future to ensure that Strata's license is amended and remains protective of public health and safety and the environment. If you have any questions, please do not hesitate to contact me at your convenience. Thank you for your time and consideration in this matter.

Respectfully submitted,

Michael Griffin
Vice President, Permitting, Regulatory and Environmental Compliance
Strata Energy, Inc.

BJS/MG
Enclosures, as noted

cc: John Saxton, NRC Project Manager – cover letter and attachment via email
Dave Schellinger, WDEQ/LQD Project Manager (cover letter only in duplicate)

ATTACHMENT A

KENDRICK EXPANSION AREA
AMENDMENT TO SUA-1601
TECHNICAL REPORT CHECKLIST

STRATA ENERGY, INC. - KENDRICK EXPANSION AREA AMENDMENT TO SUA-1601 TECHNICAL REPORT CHECKLIST			
Section – Acceptance Criteria	**Present**	**Location in report**	**Note**
Chapter 1 - Proposed Activities			
(1a) Corporate entities	Y	Section 1.3	
(1b) Location (county, state, and facility name)	Y	Section 1.4, Figures 1.4-1 and 1.4-2; Section 2.1, Figure 2.1-1	
(1c) Land ownership	Y	Section 1.5, References TR Section 2.2	
(1d) Ore-body locations and estimated U_3O_8 content	Y	Section 1.6, Figure 2.1-2	
(1e) Proposed solution extraction method and recovery process	Y	Section 1.7	
(1f) Operating plans, design throughput, and annual U_3O_8 production	Y	Section 1.8	
(1g) Estimated schedules for construction, startup, and duration of operations	Y	Section 1.9	
(1h) Plans for project waste management and disposal	Y	Section 1.10	
(1i) Plans for ground-water quality restoration, decommissioning, and land reclamation	Y	Section 1.11	
(1j) Surety arrangements for facility decommissioning, ground-water restoration, and site reclamation	Y	Section 1.12	

STRATA ENERGY, INC. - KENDRICK EXPANSION AREA AMENDMENT TO SUA-1601 TECHNICAL REPORT CHECKLIST			
Section – Acceptance Criteria	**Present**	**Location in report**	**Note**
Chapter 2 - Site Characterization			
Site Location and Layout			
(1) Maps			
well fields	Y	Figure 2.1-2	
surface impoundments	NA		None in the KEA.
diversion channels	NA		None in the KEA.
proposed monitoring wells (not identified in Legend)	Y	Figure 2.1-2 shows location of monitoring well ring.	Locations of other monitoring wells will be presented in wellfield packages required pursuant to LC 10.13 of SUA.
deep injection wells	NA		None in the KEA.
recovery plant buildings	NA		None in the KEA.
(2) Previous maps	N		
(3) Maps of exclusion area boundaries and fences	Y	Figure 2.1-2	Shows the license boundary. No other exclusion areas
(4) Maps of applicant property and leases and current adjacent properties	Y	Figure 2.2-1	
(5) Maps of nearby population centers and transportation links	Y	Figure 2.1-1	
(6) Topographic map of drainage basins and variations in drainage gradient in vicinity of proposed ISL facility	Y	Figure 2.1-2	
(7) Proposed ISL is clearly labeled at a scale appropriate to the area being covered (regional and local) with sufficient clarity.	Y	Figure 2.1-2	
(8) Data sources are documented	Y	Section 2.11	

STRATA ENERGY, INC. - KENDRICK EXPANSION AREA AMENDMENT TO SUA-1601 TECHNICAL REPORT CHECKLIST			
Section – Acceptance Criteria	**Present**	**Location in report**	**Note**
Chapter 2 - Site Characterization			
Site Location and Layout			
(9) Maps include designation of scale, orientation and geographic coordinates	Y		
Land Use			
(1a) Surrounding land and water uses - map with residences, and ground-water supply wells, and abandoned wells	Y	Figures 2.2-4, 2.2-6, 2.7-32, 2.7-37	
(1b) present and projected (life of facility) water use with methodology/sources of information	Y	Sections 2.7.1.6 and 2.7.3.3, Figures 2.7-6 and 2.7-32	
(1c) present and projected water use (surface and ground) including withdrawal with methodology / sources of information	Y	Sections 2.7.1.6 and 2.7.3.3, Figures 2.7-6 and 2.7-32	
(1e) location of abandoned drill holes (depth, type of use, condition at closing, plugging procedure, date of completion)	Y	Addendum 2.6-C	
(1f) nature and extent of projected land use with methodology/sources of information	Y	Section 2.2	
(1g) location of all nuclear fuel cycle facilities located or proposed within 50-mile radius	Y	Figure 2.2-7	There are no nuclear fuel cycle or operational uranium recovery facilities within 50 miles.
(2) Human residences, nearest site boundary(ies) to residences, surface and ground-water use, and projected water use for each 22 1/2-degree sectors centered on the 16 cardinal compass points	Y	Table 2.2-6	

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Section – Acceptance Criteria	**Present**	**Location in report**	**Note**
Chapter 2 - Site Characterization			
Land Use			
(3) Data source documentation	Y	Section 2.11	
(4) Maps include designation of scale, orientation and geographic coordinates	Y		
Socioeconomics			
(1) Population data including demographic information on minority and low-income populations	Y	Section 2.3.4	
(2) Map of suitable scale, populations centers within 50 mile radius	Y	Figure 2.1-1	
(3 Map with concentric 1, 2, 3, 4, 5, 10, 20 30, 40, 50, 60, 70 and 80 km divided into 22 1/2-degree sectors centered on the 16 cardinal compass points with population totals	Y	Figure 2.3-1	
(4) Significant population and visitor statistics of neighboring schools, plants, hospitals, sports facilities, residential areas, parks, and forests within 2 miles of proposed ISL (identify data sources)	NA		There are no public facilities within 2 miles.
(5) Projections of population, visitor, and food production data for life of ISL	Y	Section 2.1	
(6) Methodology and sources for projections	Y	Section 2.1	

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Section – Acceptance Criteria	**Present**	**Location in report**	**Note**
Chapter 2 - Site Characterization			
Meteorology, Climatology, and Air Quality			
(1) Description of general climate, local and regional based on appropriate data sources, precipitation, evaporation, new ROW(s) per SRP.	Y	Section 2.5-1	
- Joint-frequency distribution (wind speed and direction, stability class, period of record, height of data)	Y	Section 2.5.1.2.3, Tables 2.5-8 through 2.5-12, Figure 2.5-22	
- Average inversion height	Y	Section 2.5.1.6 and Table 2.5-14	
- Diurnal and monthly averages of temp and humidity	Y	Section 2.5.1.1, Figures 2.5-3 through 2.5-6 and Section 2.5.12, Figures 2.5-17, 2.5-26 and 2.5-27	
- Station locations and height	Y	Table 2.5-5, Figures 2.5-15 and 2.9-30	
- Minimum of one full year of joint frequency data	Y	Table 2.5-8	
(2) Regional weather patterns and local meteorological conditions based on weather station data/on-site monitoring. Local severe weather information on anticipated air quality impacts from non-radiological sources.	Y	Section 2.5.1.4 and Section 2.5.2	

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Section – Acceptance Criteria	**Present**	**Location in report**	**Note**
Chapter 2 - Site Characterization			
Meteorology, Climatology, and Air Quality			
(3) Meteorological data used for assessing impacts are substantiate as being representative of expected long-term conditions	Y	Section 2.5.1.4	
(4) Description of existing air quality (ISL air quality impacts are indistinguishable from background - radiological and non-radiological	Y	Section 2.5.2	
(5) Meteorological and air quality data are documented in open file or other reports	Y	Section 2.11	
Geology and Soils			
(1) Description of local and regional geology	Y	Section 2.6.2	Incorporates by reference Section 2.6.1 of the approved Ross application.
(1a) surface sampling and descriptions	NA		
(1b) cutting and core logging reports	Y	Section 2.6.3	
(1c) wireline geophysical logs	Y	Addendum 2.6-A, Figures 27-15 through 2.7-26	
1(d) geologic interpretations of surface geology and balanced cross sections (i) Maps (ii) Cross sections through ore deposit roughly perpendicular and parallel to the principal ore trend (iii) Fence diagrams showing stratigraphic correlations	Y	Figures 2.6-1, 2.6-2, 2.6-5 and Addendum 2.6-A	
(2) Maps of sufficient scale and resolution showing intended geological information and features	Y	Addendum 2.6-B	
(3) In local stratigraphic section, all important units/zones are clearly marked	Y	Figures 2.6-3 and 2.6-4	

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Section – Acceptance Criteria	**Present**	**Location in report**	**Note**
Chapter 2 - Site Characterization			
Geology and Soils			
(4) Geological and geochemical description of mineralized zone and geological units immediately surrounding the zone is provided	Y	Sections 2.6.2 and 2.6.3	
(5) Inventory of economically significant mineral and energy-related deposits, in addition to uranium, is included (well abandonment and plugging issue)	Y	Section 2.6.2.2.1	Incorporates by reference Addendum 4.2-A of the approved Ross application.
(6) Description of local and regional geologic structure including folds and faults	Y	Section 2.6.2	Incorporates by reference Section 2.6-1 of the approved Ross application.
(7) Discussion of seismicity and seismic history of region	Y	Section 2.6.6	
(8) Generalized stratigraphic column	Y	Section 2.6.2.2	Incorporates by reference Section 2.6.1 of the approved Ross application
(9) Sources of all geological and seismological data are documented	Y	Section 2.11	
(10) Proper map scale and orientation shown	Y		
(11) Short-term seismic stability has been demonstrated for ISL in accordance with Regulatory Guide 3.11, Section 2.6 (NRC, 1977)	Y	Section 2.6.6.4	
(12) General description of site soils and their properties (i.e., impact on construction and operation on erosion)	Y	Section 2.6.5.2	
(13) Description of site soils and their properties where land application of water is anticipated	Y	Section 2.6.5.2	No on-site land applications are proposed at the KEA.

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Section – Acceptance Criteria	**Present**	**Location in report**	**Note**
Chapter 2 - Site Characterization			
Water Resources			
(1) Characterized surface-water bodies and drainage within licensed area (maps providing relevant information)	Y	Section 2.7.1 and Figures 2.7-1 and 2.7-4	
(2) Assessment for the potential for flooding and erosion that could affect ISL facilities Modeling, if needed.	Y	Section 2.7.1 and Figure 2.7-5	
(3) Local and regional hydraulic gradient and hydrostratigraphy potentiometric maps (local and regional) Hydraulic parameters	Y	Section 2.7.3.2 and Figures 2.7-27 through 2.7-31	Incorporates by reference Section 2.7.3.1 of the approved Ross application.
(4) Reasonably comprehensive chemical and radiochemical analysis of water samples within and outside mineralized zones Four seasonably variable sampling events	Y	Section 2.7.3.4	
(5) Seasonable/historical variability in potentiometric head	Y	Section 2.7.3.2.5	
(6) Past, current, and future ground water use	Y	Section 2.7.3.3	
Ecology			
(1) Inventories of terrestrial and aquatic species	Y	Section 2.8.4	
(2) Inventories of locally significant domestic flora and fauna (cattle, sheep, etc.)	Y	Section 2.2.3	
(3) Identified endangered species	Y	Section 2.8.4.3	
(4) Description of species-environment relationships within radius of expected impacts	Y	Section 2.8.4 and Figure 2.8-3	
(5) All sources of ecological information are documented	Y	Section 2.11	

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Section – Acceptance Criteria	**Present**	**Location in report**	**Note**
Chapter 2 - Site Characterization			
Background Radiological Characteristics			
(1) Monitoring programs to establish background radiological characteristics	Y	Section 2.9.2	
(2) Soil sampling is conducted at both 5-cm and 15-cm depths for background decommissioning data	Y	Section 2.9.2.6	
Other Environmental Features			
Background Non-Radiological Characteristics	Y	Section 2.10	

STRATA ENERGY, INC. - KENDRICK EXPANSION AREA AMENDMENT TO SUA-1601 TECHNICAL REPORT CHECKLIST			
Section – Acceptance Criteria	**Present**	**Location in report**	**Note**
Chapter 3 - Description of Proposed Facility			
ISR Process and Equipment			
(1) Sufficiently detailed discussion of mineralized zone(s), aerial extent and approximate thickness with U_3O_8 grade	Y	Section 3.1.1	Incorporates by reference Section 3.1.1 of the approved Ross application.
(2a) Well design and construction - injection and recovery wells	Y	Section 3.1.2	Incorporates by reference Section 3.1.2.1 of the approved Ross application.
(2a) Well design and construction - monitor wells	Y	Section 3.1.2	Incorporates by reference Section 3.1.2.1 of the approved Ross application.
(2b) Well integrity testing - injection and recovery wells	Y	Section 3.1.2	Incorporates by reference Section 3.1.2.3 of the approved Ross application.
(3) Number, location and screened intervals of excursion monitoring wells	Y	Table 3.1-1	
(4) Methods for timely detection and cleanup of leaks from surface and near-surface pipes within well fields	Y	Section 3.1.4	Incorporates by reference Section 3.1.4 of the approved Ross application.
(5a) Description of ISL process - projected down-hole injection pressures with the hydrostatic pressure of the fluid column (avoid hydrofracturing in aquifer)	Y	Sections 3.1.3 and 3.1.4	Incorporates by reference, Sections 3.1.3 and 3.1.7 of the approved Ross application.
(5b) Overall production rates should be higher than injection rates	Y	Section 3.1.4	Incorporates by reference Section 3.1.4 of the approved Ross application and LC 10.7.

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Section – Acceptance Criteria	**Present**	**Location in report**	**Note**
Chapter 3 - Description of Proposed Facility			
ISR Process and Equipment			
(5c) Proposed plant material balances and flow rates should be acceptably described	Y	Section 3.1.5	Incorporates by reference Section 3.1.5 of the approved Ross application and LC 10.2.
(5d) Lixiviant makeup	Y	Section 3.1.3	Incorporates by reference Section 3.1.3 of the approved Ross application and LC 10.1.
(5e) Description/identification of gaseous, liquid, and solid wastes and effluents generated	Y	Sections 4.1 and 4.2	Incorporates by reference Sections 4.1 and 4.2 of the approved Ross application.
(5f) Effects of ISL are likely to have on surrounding water users	Y	Section 3.1.3	Incorporates by reference to Addendum 2.7-I and KEA ER Section 4.4.
(5fi) Ability to control lixiviant from the production zones to surrounding environs	Y	Section 3.1.7	Incorporates by reference Section 3.1.7 of approved Ross application.
(5fii) Ground-water and surface water pathways that might transport solutions off-site in event of uncontrolled excursion	Y	Section 3.1.3	Incorporates by reference to Addendum 2.7-I and KEA ER Section 4.4.
(5fiii) Impact of ISL operations on ground-water flow patterns and aquifer levels	Y	Section 3.1.3	Incorporates by reference to Addendum 2.7-I and KEA ER Section 4.4.
(5fiv) Expected post-extraction impact on geochemical properties and water quality	Y	Section 3.1.3	Incorporates by reference Section 6.1.6.2 and TR Table 6.1-9 of approved Ross application.
(6) Proposed operating plans and schedules including timetables for well field operation, surface reclamation, and ground-water restoration	Y	Sections 1.9 and 3.1.5	

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Section – Acceptance Criteria	**Present**	**Location in report**	**Note**
Chapter 3 - Description of Proposed Facility			
ISR Process and Equipment			
(7) Analysis of flood and flood velocities	Y	Section 2.7.1	
(8) Design of diversion channels	NA		No diversion channels are proposed at the KEA.
(9) Review plans, specifications, inspection programs, and quality assurance/quality control	NA		No new CPP or satellite facility are proposed at the KEA. General construction inspection and quality assurance quality control procedures for civil engineering designs are presented in Addendum 3.1-A of the approved Ross application.
(10) Results from other production areas	NA		No other production area results are available, as the Ross facility is not currently operating.
(11) Approved waste disposal agreement for 11e.(2) byproduct materials disposal.	Y	Section 4.2.2	Incorporates by reference LC 9.9.
Recovery Plant, Processing, and Chemical Storage Facilities			
(1) Application provides diagrams showing the proposed (or existing) plant/facilities layout in adequate detail	Y	Figure 3.1-1 and Section 3.2	Incorporates by reference TR Sections 3.2.8.1.1 and 3.2.8.1.2 of the approved Ross application.
(2) Areas were dust, fumes, or gases would be generated are clearly identified, along with a description of the source of the emissions	Y	Section 4.1.1	Incorporates by reference TR Section 4.1 of the approved Ross application.
(3) All ventilation, filtration, confinement, dust collection and radiation monitoring equipment are described as to size, type, and location	Y	Sections 3.1.4 and 4.1.1	Incorporates by reference TR Sections 3.1.4 and 4.1 of the approved Ross application.

STRATA ENERGY, INC. - KENDRICK EXPANSION AREA AMENDMENT TO SUA-1601 TECHNICAL REPORT CHECKLIST			
Section – Acceptance Criteria	**Present**	**Location in report**	**Note**
Chapter 3 - Description of Proposed Facility			
Recovery Plant, Processing, and Chemical Storage Facilities			
(4) Availability requirements for safety equipment are adequately stated, and measures for ensuring availability and reliability are clearly identified	Y	Section 3.1.4	Incorporates by reference LC 10.4.
(5) Specifications, quantities, locations, and operating conditions such as flow rates, temperatures, and pressures of radioactive materials and those hazardous materials with the potential to impact radiological safety, are clearly identified	Y	Sections 3.1.5 and 3.2	Incorporates by reference TR Sections 3.1.5, 3.2.8.1.1, and 3.2.8.1.2 of the approved Ross application. Also incorporates by reference LC 10.2.
(6) List of applicable federal, state, and local regulations that licensee intends to use to ensure that process chemicals having the potential to impact radiological safety are safely handled.	Y	Section 3.2	Incorporates by reference TR Sections 3.2.8.1.1 and 3.2.8.1.2 of the approved Ross application for carbon dioxide and oxygen.
(7) Controls used for eliminating or mitigating the hazards presented by the radioactive materials and those hazardous materials with the potential to impact radiological safety, are adequately described.	Y	Sections 3.1.4 and 3.1.7	Incorporates by reference Sections 3.1.4 and 3.1.7 of the approved Ross application.
Instrumentation and Control			
(1) Instrumentation has been described for various components of the processing facility, including well fields, well field houses, trunk lines, production circuit, surface impoundments, and deep injection disposal wells	Y	Sections 3.1.4, 3.1.7, and 3.3	Incorporates by reference Sections 3.1.4, 3.1.7, and 3.3 of the approved Ross application.

STRATA ENERGY, INC. - KENDRICK EXPANSION AREA AMENDMENT TO SUA-1601 TECHNICAL REPORT CHECKLIST			
Section – Acceptance Criteria	**Present**	**Location in report**	**Note**
Chapter 3 - Description of Proposed Facility			
Instrumentation and Control			
(2) Instrumentation is designed to allow the plant operator to continuously monitor and control a variety of systems and parameters, including total flow into the plant, total waste flow leaving the plant, tank levels, and yellowcake dryer	NA		No new CPP or satellite facility are proposed at the KEA.
(3) Control components of the systems are equipped with backup systems that activate in the event of a failure of the operating system	NA		No new CPP or satellite facility are proposed at the KEA.
(4) Well field operating pressures are kept below casing and formation rupture pressures to prevent vertical excursions. Operation pressure are routinely monitored	Y	Section 3.1.4	Incorporates by reference Sections 3.1.4 and 3.1.7 of the approved Ross application.
(5) Manufacturer's recommendations for maintenance and operation of yellowcake dryers, and checking and logging requirements contained in 10 CFR part 40, Appendix A, Criterion 8 are followed.	NA		No new CPP or satellite facility are proposed at the KEA.

STRATA ENERGY, INC. - KENDRICK EXPANSION AREA AMENDMENT TO SUA-1601 TECHNICAL REPORT CHECKLIST			
Section – Acceptance Criteria	**Present**	**Location in report**	**Note**
Chapter 4 - Effluent Control Systems			
Gaseous Emissions and Airborne Particulates			
(1) Monitoring and control systems are located to optimize their intended function.	Y	Section 4.1.1	Incorporates by reference TR 4.1 of the approved Ross application.
(2) Monitoring and control systems are appropriate for the types of effluents generated.	Y	Section 4.1.1	Incorporates by reference TR 4.1 of the approved Ross application.
(3) Provides a demonstration that adequate ventilation systems are planned for the process building to avoid radon gas buildup. (Consistent with Reg Guide 8.31) (i) recovery solutions entering the plant (ii) extraction process (where tanks are vented) (iii) uranium particulate emissions resulting from drying and packing operations and spills	Y	Section 4.1.1 and Figure 3.1-2	Incorporates by reference TR 4.1 of the approved Ross application.
(4) Demonstrates that the effluent control systems will limit exposures under both normal and accident conditions	Y	Section 4.1.1	Incorporates by reference TR 4.1 of the approved Ross application.
(5) Demonstrates that the operations will be conducted so that all airborne effluent releases are as low as reasonably achievable.	Y	Section 4.1.1	Incorporates by reference TR 4.1 of the approved Ross application.
Liquid and Solid Waste			
(1) Common liquid effluents generated from the process bleed, process solutions, wash-down water, well development water, pumping test water, and restoration waters are properly controlled	Y	Section 4.2.1	Incorporates by reference TR 4.2 of the approved Ross application.
On-site land applications	NA		No on-site land applications are proposed at the KEA.
For land applications	NA		No on-site land applications are proposed at the KEA.

STRATA ENERGY, INC. - KENDRICK EXPANSION AREA AMENDMENT TO SUA-1601 TECHNICAL REPORT CHECKLIST			
Section – Acceptance Criteria	**Present**	**Location in report**	**Note**
Chapter 4 - Effluent Control Systems			
Liquid and Solid Waste			
(2) On-site evaporation systems are designed and operated in a manner that prevents migration of waste from the evaporation system to the subsurface	NA		No on-site evaporations systems are proposed at the KEA.
(3) Design, installation and operation of surface impoundments used to manage 11e.(2) byproduct material meet relevant guidance provided in Regulatory Guide 3.11, Section 1 Inspections consistent with Regulatory Guide 3.11.1	NA		No surface impoundments are proposed at the KEA.
(4) Design of surface impoundment used to manage 11e.(2) byproduct material meets or exceeds the requirements in 10 CFR Part 40, Appendix A, Criterion 5(A)	NA		No surface impoundments are proposed at the KEA.
(5) Plans and procedures are provided for addressing contingencies for all reasonably expected system failures (a) listing of likely consequences of any failures in process or well field equipment (b) identification of appropriate plant and corporate personnel to be notified (c) measures for quickly containing and mitigating the impacts of released materials (d) provisions for issuing radiation work permits for workers to mitigate impacts (e) specific procedures for complying with notification requirements in the regulations	Y	Section 4.2.1	Incorporates by reference Sections 3.1.5, 4.2, 5.3, 5.7.1.2.1.3, and 7.5.1.6 of the approved Ross application. Also incorporated by reference LC 10.4 and 11.6 of SUA-1601.

STRATA ENERGY, INC. - KENDRICK EXPANSION AREA AMENDMENT TO SUA-1601 TECHNICAL REPORT CHECKLIST			
Section – Acceptance Criteria	**Present**	**Location in report**	**Note**
Chapter 4 - Effluent Control Systems			
Liquid and Solid Waste			
(6) Contains a description of the methods to be used for disposing of contaminated solid wastes that are generated during the operation of the facility Applicant has an approved waste disposal agreement for 11e.(2) byproduct materials disposal at an NRC or NRC Agreement State licensed disposal facility.	Y	Section 4.2.2	Incorporates by reference Section 4.3 of the approved Ross application. Also incorporated by reference, LC 9.9 of SUA-1601. Will incorporate by reference the response to pre-operational LC 12.11(E) of SUA-1601 which requires written SOPs to address transportation of licensed material.
(7) Water quality certification and discharge permits have been obtained, or plans are in place to obtain them.	Y	Chapter 10.0	
(8) Acceptable methods for effluent disposal by release to surface water, evaporation from surface impoundments, land application, and deep well injection are consistent with NRC guidance.	NA		Reviewed and approved as part of the Ross application.
(9) Alternatives to liquid management activities have been considered and none is found to be obviously superior to the selected option.	NA		Reviewed and approved as part of the Ross application.

STRATA ENERGY, INC. - KENDRICK EXPANSION AREA AMENDMENT TO SUA-1601 TECHNICAL REPORT CHECKLIST			
Section – Acceptance Criteria	**Present**	**Location in report**	**Note**
Chapter 5 - Operations			
Corporate Organization and Administrative Procedures			
(1) Adequate descriptions of corporate organization. Radiation safety officer - responsibilities and authority outlined in Reg Guide 8.31, Sec. 1.2	Y	Section 5.1	Incorporates by reference Section 5.1 of the approved Ross application.
(2) Organizational structure shows integration among groups that support the operation and maintenance of the facility.	Y	Section 5.1	Incorporates by reference Section 5.1 of the approved Ross application.
(3) Established Safety and Environmental Review Panel (at least three members with appropriate expertise)	Y	Section 5.1	Incorporates by reference Section 5.1 of the approved Ross application.
(4) Proposed administrative procedures conform with Regulatory Guide 8.2 and Regulatory Guide 4.15. Covers 10 CFR 20.1101 10 CFR 40.32(b), (c) and (d)	Y	Section 5.1	Incorporates by reference Section 5.1 of the approved Ross application.
(5) Sufficient independence is available to the plant supervisor, radiation safety officer, and Safety and Environmental Review Panel.	Y	Section 5.1	Incorporates by reference Section 5.1 of the approved Ross application.

STRATA ENERGY, INC. - KENDRICK EXPANSION AREA AMENDMENT TO SUA-1601 TECHNICAL REPORT CHECKLIST			
Section – Acceptance Criteria	**Present**	**Location in report**	**Note**
Chapter 5 - Operations			
Management Control Program			
(1) Proposed management control program is sufficient to assure that all proposed activities that may affect health, safety, and the environment, including compliance with any license commitments or conditions, will be conducted in accordance with written operating procedures. 10 CFR 40.60 - Reporting Requirements 10 CFR 20, Subpart M - Reports/Notification of Incidents	Y	Section 5.2	Incorporates by reference Section 5.2 of the approved Ross application.
(2) Provides a process that will be used to identify and prepare operating procedures for routine work. Development, approval, and review (annual) of SOPs by radiation safety staff	Y	Section 5.2	Incorporates by reference Section 5.2 of the approved Ross application.
(3) Presents methods for review and approval of non-routine work or maintenance activity by the radiation safety staff.	Y	Section 5.2	Incorporates by reference Section 5.2 of the approved Ross application.
(4) Provides for the establishment of a Safety and Environmental Review Panel and associated records/reports	Y	Section 5.2	Incorporates by reference Section 5.2 of the approved Ross application.
(5) Exempted from requirements of 20 CFR 1902(e) for areas within facility provided proper signs are conspicuously posted.	Y	Section 5.2	Incorporates by reference Section 5.2 of the approved Ross application.

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Section – Acceptance Criteria	**Present**	**Location in report**	**Note**
Chapter 5 - Operations			
Management Control Program			
(6) Licensee has agreed to administer a cultural resources inventory before engaging in any development activity not previously assessed by NRC.	Y	Section 5.2	Incorporates by reference Section 5.2 of the approved Ross application.
(7) Record keeping and retention plans maintained and retained for receipt, transfer, and disposal of any source or byproduct material processed or produced by licensed facility for period set out in license conditions.	Y	Section 5.2	Incorporates by reference Section 5.2 of the approved Ross application.
Permanently maintained and retained until license termination: (8a) Records of on-site radioactive disposal such as by deep well injection, land application, or burial under 10 CFR 20.2002 and 20.2007	Y	Section 5.2	Incorporates by reference Section 5.2 of the approved Ross application.
(8b) Records required by 10 CFR 20 Subpart L specifically 10 CFR 20.2103(b)(4)	Y	Section 5.2	Incorporates by reference Section 5.2 of the approved Ross application.
Section 5.2.3 (8c) 10 CFR 40, Appendix A, Criteria 8 and 8A Criterion 8--Milling operations Criterion 8A--Daily inspections of tailings or waste retention systems Regulatory Guide 3.11.1 - Operational Inspection and Surveillance of Embankment Retention Systems for Uranium Mill Tailings (Rev. 1, ML003740229)	Y	Section 5.2	Incorporates by reference Section 5.2 of the approved Ross application.

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Section – Acceptance Criteria	**Present**	**Location in report**	**Note**
Chapter 5 - Operations			
Management Control Program			
Section 5.2.3 (8d)(i) - descriptions of spills, excursions, contamination events or unusual occurrences	Y	Section 5.2	Incorporates by reference Section 5.2 of the approved Ross application.
Section 5.2.3 (8d)(ii) - info of site characterization, residual soil contamination, hydro, geo, surface impoundments, ponds, lagoons, and well field aquifer anomalies.	Y	Section 5.2	Incorporates by reference Section 5.2 of the approved Ross application.
Section 5.2.3 (8d)(iii) - as built drawings of structures, equipment, well fields, modifications	Y	Section 5.2	Incorporates by reference Section 5.2 of the approved Ross application.
Section 5.2.3 (8d)(iv) - drawings of buried pipes or pipelines	Y	Section 5.2	Incorporates by reference Section 5.2 of the approved Ross application.
Section 5.2.3 (8d)(v) - preoperational background radiation levels	Y	Section 5.2	Incorporates by reference Section 5.2 of the approved Ross application.
(9) Licensee demonstrates that records can be provided to a new owner or new licensee or licensee in the event that the property or license is transferred or to NRC after license termination	Y	Section 5.2	Incorporates by reference Section 5.2 of the approved Ross application.
(10) New licensees or owners demonstrate that any such records received from a previous owner or licensee will be retained or turned over to NRC after license termination.	Y	Section 5.2	Incorporates by reference Section 5.2 of the approved Ross application.
(11) Records will be maintained as hard copy originals, as copies on microfiche, or electronically protected	Y	Section 5.2	Incorporates by reference Section 5.2 of the approved Ross application.

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Section – Acceptance Criteria	**Present**	**Location in report**	**Note**
Chapter 5 - Operations			
Management Control Program			
(12) Reports of spills, evaporation pond leaks, excursions of source, 11e.(2) byproduct material will be made to Headquarters Project Manager within 48 hours of the event. Written notice within 30 days of notification.	Y	Section 5.2	Incorporates by reference Section 5.2 of the approved Ross application.
(13) Annual report will be submitted to the NRC that includes the as low as is achievable audit report, land use survey, monitoring data, corrective action program report, one of the semiannual effluent and environmental monitoring reports, and the Safety and Environmental Review Panel (SERP) information.	Y	Section 5.2	Incorporates by reference Section 5.2 of the approved Ross application.
Management Audit and Inspection Program			
The proposed frequencies, types, and scopes of reviews and inspections, action levels, and corrective action measures are acceptable to implement the proposed controls (see Regulatory Guides 3.11, 3.11.1, and 8.31). ALARA Policy	Y	Section 5.3	Incorporates by reference Section 5.3 of the approved Ross application. This section is amended to include inspection provisions for booster pump stations.
Qualifications for Personnel Conducting the Radiation Safety Program			
Personnel meet minimum qualifications and experience for radiation safety staff that are consistent with Regulatory Guide 8.31, Section 2.3.	Y	Section 5.4	Incorporates by reference Section 5.4 of the approved Ross application.

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Section – Acceptance Criteria	**Present**	**Location in report**	**Note**
Chapter 5 - Operations			
Radiation Safety Training			
(1) Consistent with the approach described in Regulatory Guide 8.31, Section 2.5 (2) Consistent with Regulatory Guide 8.13 (3) Consistent with Regulatory Guide 8.29	Y	Section 5.5	Incorporates by reference Section 5.5 of the approved Ross application and LC 9.7, 10.18, and 12.4.
Security			
Security program	Y	Section 5.6	Incorporates by reference Section 5.6 of the approved Ross application.
Radiation Safety Controls and Monitoring			
(1) Radon gas from processing tanks within enclosed buildings is properly controlled.	Y	Section 5.7.1.1	No dryer or satellite plant will be located at the KEA; therefore, no tanks will be installed that emit radon gas. However, regarding wellfields, this section incorporates by reference Section 5.7 of the approved Ross application.
(2) Emissions from yellowcake drying operations are properly controlled.	NA		Not applicable to the KEA. No dryer or satellite plant.

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Section – Acceptance Criteria	**Present**	**Location in report**	**Note**
Chapter 5 - Operations			
Effluent Control Techniques			
Release of liquids into surface waters must comply with the public dose limits in 10 CFR 20.1301, which must be demonstrated by one of the following methods: (3a) The licensee demonstrates compliance with 10 CFR Part 20, Appendix B (i) Showing that the discharge of effluent from any surface impoundment is within 10 CFR part 20, Appendix B, limits at the point of discharge (ii) Monitoring the incoming process water to demonstrate compliance with the effluent discharge requirements of 10 CFR Part 20, Appendix B for process water.	Y	Section 5.7.1.3	Incorporates by reference Section 5.7.1.2 of the approved Ross application. Section 5.7.1.3 was supplemented with information regarding the booster pump stations.
(3b) The licensee demonstrates that the total effective dose equivalent to the individual likely to receive the highest dose from the facility does not exceed the annual dose limit for the public.	Y	Section 7.3.6, Table 7.3-4 and Figure 7.3-4	
(4) The applicant describes minimum performance specifications for the operation of the effluent controls and the frequencies of tests and inspections to ensure proper performance to specifications.	Y	Section 5.7.1.4	Incorporates by reference Section 5.7.1.2 of the approved Ross application.
(5) Record keeping for the effluent control techniques is sufficient to meet requirements in 10 CFR 20.2103(b)(4).	Y	Section 5.7.1.4	Incorporates by reference Section 5.2.3 of the approved Ross application.

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Section – Acceptance Criteria	**Present**	**Location in report**	**Note**
Chapter 5 - Operations			
Effluent Control Techniques			
(6) The applicant describes emergency procedures in the event of equipment failures or spills, references existing emergency procedures, or commits to the development of emergency procedures.	Y	Section 5.7.1.5	Incorporated by reference, requirements of LC 10.4.
(7) The effluent control techniques are designed to keep exposures to members of the public as low as is reasonably achievable as described in Regulatory Guide 8.37, Section 2.	Y	Section 5.7.1.3	Incorporates by reference Section 5.7.1.2 of the approved Ross application.
(8) The effluent control techniques are designed to limit exposures to members of the public from emissions to air (excluding Radon-222 and progeny) to no greater than 0.1 mSv (10 mrem/yr).	Y	Section 5.7.1.3	Incorporates by reference Section 5.7.1.2 of the approved Ross application.
External Radiation Exposure Monitoring Program			
(1) The application contains one or more drawings that depict the facility layout and the location of monitors for external radiation. (Regulatory Guide 4.14, Section 1.1.5 and 2.1.6)	Y	Section 5.7.2, see also Figure 2.9-30	Incorporates by reference Section 5.7.2 of the approved Ross application.
(2) The application provides criteria to be used in establishing which employees are to receive external exposure monitoring. (Regulatory Guide 8.34)	Y	Section 5.7.2	Incorporates by reference Section 5.7.2 of the approved Ross application. Strata is required to provide additional information for the Ross Project. Any additional information provided to the staff for the Ross Project is incorporated by reference in this application.

STRATA ENERGY, INC. - KENDRICK EXPANSION AREA AMENDMENT TO SUA-1601 TECHNICAL REPORT CHECKLIST			
Section – Acceptance Criteria	**Present**	**Location in report**	**Note**
Chapter 5 - Operations			
External Radiation Exposure Monitoring Program			
(3) Monitoring equipment is identified by type, sensitivity, calibration methods and frequency, availability, and planned use to protect health and safety.	Y	Section 5.7.2	Incorporates by reference Section 5.7.2 of the approved Ross application. Strata is required to provide additional information for the Ross Project. Any additional information provided to the staff for the Ross Project is incorporated by reference in this application.
(4) All monitoring equipment has a lower limit of detection that allows measurement of 10 percent of the applicable limits (Regulatory Guide 8.3)	Y	Section 5.7.2	Incorporates by reference Section 5.7.2 of the approved Ross application. Strata is required to provide additional information for the Ross Project. Any additional information provided to the staff for the Ross Project is incorporated by reference in this application.
(5) Plans for documentation of radiation dose levels for corrective action that are consistent with 10 CFR Part 20.	Y	Section 5.7.2	Incorporates by reference Section 5.7.2 of the approved Ross application. Strata is required to provide additional information for the Ross Project. Any additional information provided to the staff for the Ross Project is incorporated by reference in this application.

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Section – Acceptance Criteria	**Present**	**Location in report**	**Note**
Chapter 5 - Operations			
External Radiation Exposure Monitoring Program			
(6) Application presents radiation dose levels for corrective action that are consistent with 10 CFR Part 20	Y	Section 5.7.2	Incorporates by reference Section 5.7.2 of the approved Ross application. Strata is required to provide additional information for the Ross Project. Any additional information provided to the staff for the Ross Project is incorporated by reference in this application.
(7) Radiation doses will be kept as low as is reasonably achievable by following Regulatory Guide 8.10 and Regulatory Guide 8.31	Y	Section 5.7.2	Incorporates by reference Section 5.7.2 of the approved Ross application. Strata is required to provide additional information for the Ross Project. Any additional information provided to the staff for the Ross Project is incorporated by reference in this application.
(8) The applicant monitoring program is adequate to protect workers from hazards of beta radiation resulting from the decay products of uranium-238 when effective shielding is not present	Y	Section 5.7.2	Incorporates by reference Section 5.7.2 of the approved Ross application. Strata is required to provide additional information for the Ross Project. Any additional information provided to the staff for the Ross Project is incorporated by reference in this application.

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Section – Acceptance Criteria	**Present**	**Location in report**	**Note**
Chapter 5 - Operations			
External Radiation Exposure Monitoring Program			
(9) The monitoring program is sufficient to detect and control gamma radiation from uranium decay products in areas where large volumes of uranium may be present and is consistent with Regulatory Guide 8.30	Y	Section 5.7.2	Incorporates by reference Section 5.7.2 of the approved Ross application. Strata is required to provide additional information for the Ross Project. Any additional information provided to the staff for the Ross Project is incorporated by reference in this application.
(10) The program for external exposure monitoring and determining doses from external exposure is consistent with Regulatory Guide 8.34, Section C.	Y	Section 5.7.2	Incorporates by reference Section 5.7.2 of the approved Ross application. Strata is required to provide additional information for the Ross Project. Any additional information provided to the staff for the Ross ISR Project is incorporated by reference in this application.
In-Plant Airborne Radiation Monitoring Program			
(1) The applicant provides one or more drawings that depict the facility layout and the location of samplers for airborne radiation (Regulatory Guide 8.3)	Y	Section 5.7.3	This entire section incorporates by reference Section 5.7.3 of the approved Ross application. Strata is required to provide additional information for the Ross Project. Any additional information provided to the staff for the Ross Project is incorporated by reference in this application. Note that the only buildings located within the KEA will be booster pump stations and module buildings.

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Section – Acceptance Criteria	**Present**	**Location in report**	**Note**
Chapter 5 - Operations			
In-Plant Airborne Radiation Monitoring Program			
(2) Monitoring equipment is identified by type, sensitivity, calibration methods and frequency, availability and planned use to accurately measure concentrations of airborne radioactive species.	Y		See note in Criteria (1) of In-Plant Airborne Radiation Monitoring Program.
(3) Planned surveys of airborne radiation are consistent with the guidance in Regulatory Guide 8.3	Y		See note in Criteria (1) of In-Plant Airborne Radiation Monitoring Program.
(4) The proposed monitoring program is sufficient to adequately protect workers from radon gas releases from venting of processing tanks and from yellowcake dust from drying operations, spills, and maintenance activities (Regulatory Guide 4.14, Sections 1.1 and 2.1 and Regulatory Guide 8.3)	Y		See note in Criteria (1) of In-Plant Airborne Radiation Monitoring Program.
(5) Plans for documentation of radiation exposures are consistent with the requirements in 10 CFR 20.2102, 20.2103, 20.2106, and 20.2110.	Y		See note in Criteria (1) of In-Plant Airborne Radiation Monitoring Program.
(6) The applicant demonstrates that respirators will routinely be used for operations with drying and packing areas and identifies the criteria for determining when respirators will be required for special jobs or emergency situations (Regulatory Guide 8.15, Revision 1)	Y		See note in Criteria (1) of In-Plant Airborne Radiation Monitoring Program.

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Section – Acceptance Criteria	**Present**	**Location in report**	**Note**
Chapter 5 - Operations			
In-Plant Airborne Radiation Monitoring Program			
(7) For license renewal applications, the historical results summary of the airborne radiation monitoring program is included through the most recent reporting period preceding the submittal of the application.	NA		
Exposure Calculations			
(1) Methodologies proposed to determine the intake of radioactive materials by personnel in work areas where airborne radioactive materials could exist (10 CFR 20.1204 and 20.1201)	Y	Section 5.7.4	This entire section incorporates by reference Section 5.7.4 of the approved Ross application. Strata is required to provide additional information for the Ross Project. Any additional information provided to the staff for the Ross Project is incorporated by reference in this application.
(2) Exposure calculations for natural uranium are consistent with Regulatory Guide 8.30, Section 3. Inhale Calculating DCA-hr - besides no possibility of inhalation with respirator	Y		See note in Criteria (1) of Exposure Calculations.
(3) For airborne radon daughter exposure (working levels), calculations are consistent with Regulatory Guide 8.30 and Regulatory Guide 8.34, Section C. Krusnetz method	Y		See note in Criteria (1) of Exposure Calculations.

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Section – Acceptance Criteria	**Present**	**Location in report**	**Note**
Chapter 5 - Operations			
Exposure Calculations			
(4) Calculations and guidance for prenatal and fetal radiation exposure are consistent with Regulatory Guide 8.36 and Regulatory Guide 8.13.	Y		See note in Criteria (1) of Exposure Calculations.
(5) Exposure calculations are presented for routine operations , non-routine operations, maintenance, and clean-up activities and are consistent with Regulatory Guide 8.30 and Regulatory Guide 8.34.	Y		See note in Criteria (1) of Exposure Calculations.
(6) Parameters used in exposure calculations are representative of conditions at the site and include the time-weighted exposure that incorporates occupancy time and average airborne concentrations.	Y		See note in Criteria (1) of Exposure Calculations.
(7) Estimation of airborne uranium concentrations take into account the maximum production capacity requested in the application and the anticipated efficiencies of airborne particulate control systems reviewed using Sections 4.1 and 5.7.1 of ISL Standard Review Plan	Y		See note in Criteria (1) of Exposure Calculations.
(8) Reporting and record keeping of worker doses is done in conformance with Regulatory Guide 8.7 and 10 CFR 20.2103.	Y		See note in Criteria (1) of Exposure Calculations.
(9) For license renewal applications, the historical results of radiation exposure calculations are included through the most recent reporting period preceding this submittal.	NA		

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Section – Acceptance Criteria	**Present**	**Location in report**	**Note**
Chapter 5 - Operations			
Bioassay Program			
Bioassay program is acceptable if it meets: (1) Consistent with applicable sections of Regulatory Guide 8.22 and Regulatory Guide 8.31. Can confirm results from airborne radiation monitoring program and exposure calculations.	Y	Section 5.7.5	This entire section incorporates by reference Section 5.7.5 of the approved Ross application.
(2) Determination of which workers will be monitored in the bioassay program.	Y		See note in Criteria (1) of Bioassay Program.
(3) Sampling and analysis frequencies include baseline urinalyses for all new employees and exit bioassays on termination of employment (consistent with Regulatory Guide 8.22 and Regulatory Guide 8.8.9, Revision 1)	Y		See note in Criteria (1) of Bioassay Program.
(4) Action levels for bioassay monitoring are set in accordance with Regulatory Guide 8.22, Section 5	Y		See note in Criteria (1) of Bioassay Program.
(5) All reporting and record keeping are done in conformance with the requirements of 10 CFR Part 20, Subparts L and M	Y		See note in Criteria (1) of Bioassay Program.
(6) For license renewal applications, the historical bioassay program results are included through the most recent reporting period preceding the submittal of the application.	NA		

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Section – Acceptance Criteria	**Present**	**Location in report**	**Note**
Chapter 5 - Operations			
Contamination Control Program			
(1) Radiation surveys of workers will be conducted to prevent contaminated employees from entering clean areas (Regulatory Guide 8.30)	Y	Section 5.7.6	This entire section incorporates by reference Section 5.7.6 of the approved Ross application. The Ross Contamination Control Program will be supplemented by information required by LC 12.8 of SUA-1601. Any additional information provided to the staff for the Ross ISR Project is incorporated by reference in this application.
(2) Requirements for a contamination control program (e.g., maintaining change areas and personal alpha radiation monitoring before leaving radiation areas) are included in standard operating procedures or are discussed in application. Consistent with Regulatory Guide 8.30	Y		See note in Criteria (1) of Contamination Control Program.
(3) Action levels for surface contamination are set in accordance with (Regulatory Guide 8.30)	Y		See note in Criteria (1) of Contamination Control Program.
(4) Monitoring equipment by type, specification of the range, sensitivity, calibration methods and frequency, availability, and planned use is adequately described.	Y		See note in Criteria (1) of Contamination Control Program.
(5) All reporting and record keeping is done in conformance with the requirements of 10 CFR Part 20.	Y		See note in Criteria (1) of Contamination Control Program.

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Section – Acceptance Criteria	**Present**	**Location in report**	**Note**
Chapter 5 - Operations			
Contamination Control Program			
(6) The licensee will ensure that radioactivity on equipment or surfaces is not covered by paint, plating, or other covering material unless contamination levels are below limits specified in Table 5.7.6.3-1	Y		See note in Criteria (1) of Contamination Control Program.
(7) The radioactivity of the interior surfaces of pipes, drain lines, or duct work will be determined by making measurements at all traps and other appropriate access points.	Y		See note in Criteria (1) of Contamination Control Program.
(8) The licensee will make a comprehensive radiation survey, in conformance with Regulatory Guide 8.30, Section 1 and NUREG-1575, Revision 1.	Y		See note in Criteria (1) of Contamination Control Program.
(9) Appropriate criteria are established to relinquish possession or control of equipment or scrap having surfaces contaminated with material in excess of the limits specified in Table 5.7.6.3-1. (a) Provide detailed information describing the equipment, or scrap, radioactive contaminants, and the nature and extent, and degree of residual surface contamination	Y		See note in Criteria (1) of Contamination Control Program.
(9b) Applicant will provide a detailed health and safety analysis that reflects that the residual amounts of contaminated materials on surface areas, together with other considerations such as prospective use of the equipment, or scrap, are unlikely to result in an unreasonable risk to the health and safety of the public.	Y		See note in Criteria (1) of Contamination Control Program.

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Section – Acceptance Criteria	**Present**	**Location in report**	**Note**
Chapter 5 - Operations			
Contamination Control Program			
(9c) Applicant includes materials created by special circumstances including, but not limited to, the razing of buildings, transfer of structures or equipment, or conversion of facilities to a long-term storage facility or to standby status	Y		See note in Criteria (1) of Contamination Control Program.
Airborne Effluent and Environmental Monitoring Program			
(1) The proposed airborne effluent and environmental monitoring program is consistent with Regulatory Guide 4.14, Sections 1.1 and 2.1, and Regulatory Guide 8.37, Section 3.	Y	Section 5.7.7.1	Incorporates Section 5.7.7.1 of the approved Ross application.
(2) The proposed locations of the airborne effluent monitoring stations are consistent with guidance in Regulatory Guide 4.14, Sections 1.1.1 and 2.1.2.	Y	Section 5.7.7.1, Figure 2.9-30	
(3) The proposed airborne effluent and environmental monitoring program should sample radon, air particulates, surface soils, subsurface soils, vegetation, direct radiation, and sediment in accordance with Regulatory Guide 4.14, Section 3 (Quality of Samples)	Y	Sections 5.7.7.1 and 5.7.7.2	Vegetation, food, and fish sampling not required based on dose assessment from Ross site characterization. This section incorporates by reference the program for estimating and reporting radioactive effluents from the approved Ross application.
(4) The proposed sampling methods are consistent with guidance in Regulatory Guide 4.14, Section 3 (Quality of Samples)	Y	Section 5.7.7.1	LC 12.10 requires a QAP which will include specifics for environmental samples.
(5) For license renewal applications, the historical airborne effluent and environmental monitoring program results are included through the most recent reporting period.	NA		

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Section – Acceptance Criteria	**Present**	**Location in report**	**Note**
Chapter 5 - Operations			
Airborne Effluent and Environmental Monitoring Program			
(6) The applicant commits to semiannual airborne effluent and environmental monitoring reporting.	Y	Section 5.7.7.2	Incorporates by reference Section 5.7.7.3.1 of the approved Ross application. This section will be supplemented by information required in LC 12.7. Any additional information provided to the staff for the Ross ISR Project is incorporated by reference in this application.
Ground-Water and Surface-Water Monitoring Programs			
(1)For each new well field, the applicant's approach for establishing baseline water quality is sufficient to: (i) define the primary restoration goal of returning each well field to its pre-operational condition (ii) provide a standard for determining when an excursion has occurred	Y	Section 5.7.8.1	Incorporates by reference Section 5.7.8.1 of the approved Ross application. The following license conditions also address this issue: LC 10.13, LC 11.3, LC 11.4, and LC 11.5.
(2) applicant selects excursion indicator constituents and upper control limits.	Y	Section 5.7.8.1	Incorporates by reference Section 5.7.8.1 of the approved Ross application. The following license conditions also address this issue: LC 10.13, LC 11.3, LC 11.4, and LC 11.5.
(3) Applicant establishes criteria for determining monitoring well locations.	Y	Section 5.7.8.1	Incorporates by reference Section 5.7.8.1 of the approved Ross application. The following license conditions also address this issue: LC 10.13, LC 11.3, LC 11.4, and LC 11.5.

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Section – Acceptance Criteria	**Present**	**Location in report**	**Note**
Chapter 5 - Operations			
Ground-Water and Surface-Water Monitoring Programs			
(4) Applicant establishes well field test procedures. Well are tested to prove hydraulic connection between production, injection, and monitoring wells.	Y	Section 5.7.8.2	Incorporates by reference Section 5.7.8.2 of the approved Ross application. The following license conditions also address this issue: LC 10.13, LC 11.3, LC 11.4, and LC 11.5.
(5) Applicant defines operational approaches for the monitoring program (which wells will be sampled for excursion indicators, monitoring frequency, and criteria for determining that an excursion has occurred.	Y	Section 5.7.8.2	Incorporates by reference Section 5.7.8.2 of the approved Ross application. The following license conditions also address this issue: LC 10.13, LC 11.3, LC 11.4, and LC 11.5.
(6) If ISL is located adjacent to bodies of surface-water, the applicant must establish a surface-water monitoring program that will be effective to detect migration of contaminants into surface-water bodies or demonstrate that the risk in negligible.	Y	Section 5.7.8.2	Incorporates by reference Section 5.7.8.2 of the approved Ross application.
Quality Assurance Program			
(1) The quality assurance program has been established and applied to all radiological, effluent, and environmental programs (Regulatory Guide 4.14, Section 3 and 6 and Regulatory Guide 4.15)	Y	Section 5.7.9	This entire section incorporates by reference Section 5.7.9 of the approved Ross application. This Section will be supplemented by information required in LC 12.10. Any additional information provided to the staff for the Ross ISR Project is incorporated by reference in this application.
(2) All reporting and record keeping will be done in conformance with the criteria presented in Section 5.3.2 of this standard review plan.	Y		See note in Criteria (1) of Quality Assurance.

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Section – Acceptance Criteria	**Present**	**Location in report**	**Note**
Chapter 5 - Operations			
Quality Assurance Program			
(3) For license renewal applications, the historical quality assurance program results are included through the most recent reporting period preceding the submittal of the application.	NA		

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Section – Acceptance Criteria	**Present**	**Location in report**	**Note**
Chapter 6 – Groundwater Restoration, Surface Reclamation and Facility Decommissioning Plan			
Groundwater Restoration			
(1) Estimates volume of and quality of extraction solutions that need to be cleaned up during ground-water restoration	Y	Section 6.1.4	
(2) Applicant describes the method used for estimating well field pore volume and the associated horizontal and vertical flare	Y	Section 6.1.4	Incorporates by reference Section 6.1.4 and Addendum 6.1-A of the approved Ross application.
(3) The application includes well field restoration plans (description of processes and projected completion schedule)	Y	Section 6.1.2	Incorporates by reference Section 6.1.2 of the approved Ross application.
(4) Restoration standards	Y	Section 6.1.1	Incorporates by reference LC 10.6.
(5) Post-reclamation stability monitoring	Y	Section 6.1.5	Incorporates by reference Section 6.1.2.5 of the approved Ross application and LC 10.6.
(6) External effects of ground-water restoration	NA		
(7) methods for abandoning wells	Y	Section 6.2	Incorporates by reference Addendum 2.6-E of the approved Ross application.
(8) Descriptions of water consumption impacts	NA		
(9) Alternatives to primary or secondary standards	Y	Section 6.1.1	Incorporates by reference LC 10.6.
(10) Onsite evaporation	NA		
(11) Release to surface waters	NA		
(12) Land applications	NA		
(13) Deep well injections	NA		

STRATA ENERGY, INC. - KENDRICK EXPANSION AREA AMENDMENT TO SUA-1601 TECHNICAL REPORT CHECKLIST			
Section – Acceptance Criteria	**Present**	**Location in report**	**Note**
Chapter 6 – Groundwater Restoration, Surface Reclamation and Facility Decommissioning Plan			
Reclamation of Disturbed Land			
(1) Appropriate cleanup criteria	Y	Section 6.2	Incorporates by reference Section 6.2 of the approved Ross application.
(2) Pre-reclamation radiological survey	Y	Section 6.2	Incorporates by reference Section 6.2 of the approved Ross application.
(3) Procedures for interpretation of pre-reclamation radiological survey results	Y	Section 6.2	Incorporates by reference Section 6.2 of the approved Ross application.
(4) Pre-construction surface contour map	Y	Figure 1.4-2	
(5) Any changes to existing NRC-approved radiation safety program	NA		
(6) Approved waste disposal agreement	Y	Section 6.2	Incorporates by reference Section 6.2 of the approved Ross application. Required by LC 9.9.
(7) Submit final reclamation plan 12-months before planned commencement	Y	Section 6.3	Incorporates by reference Section 6.3 of the approved Ross application. Required by LC 9.10
(8) Decommissioning addresses non-radiological hazardous constituents	Y	Section 6.3	Incorporates by reference Section 6.3 of the approved Ross application. Required by LC 9.10.
(9) QA/QC program addresses all aspects of decommissioning	Y	Section 6.3	Incorporates by reference Section 6.3 of the approved Ross application. Required by LC 9.10.

STRATA ENERGY, INC. - KENDRICK EXPANSION AREA AMENDMENT TO SUA-1601 TECHNICAL REPORT CHECKLIST			
Section – Acceptance Criteria	**Present**	**Location in report**	**Note**
Chapter 6 – Groundwater Restoration, Surface Reclamation and Facility Decommissioning Plan			
Procedures for Removal and Disposal of Structures and Equipment			
(1) A program is in place to control residual contamination on structures and equipment.	Y	Section 6.3	This entire section incorporates by reference Section 6.3 of the approved Ross application. Includes amendment to allow onsite land disposal of non-radioactive solid waste. This disposal cell will be permitted by the Wyoming Department of Environmental Quality as necessary.
(2) Measurements of radioactivity on the interior surfaces of pipes, drain lines, and duct work will be determined by making measurements at all traps and other appropriate access points, provided that contamination at these locations is likely to be representative of contamination on the interior of the pipes, drain lines, and duct work	Y		See note in Criteria (1) of Procedures for Removal and Disposal of Structures and Equipment.
(3) Surfaces of premises, equipment, or scrap that are likely to be contaminated but are of such size, construction, or location as to make the surface inaccessible for purposes of measurement are presumed to be contaminated in excess of the limits.	Y		See note in Criteria (1) of Procedures for Removal and Disposal of Structures and Equipment.
(4) Before release of structures for unrestricted use, the licensee makes a comprehensive radiation survey to establish that contamination is within the limits specified in standard review plan Section 5.6.7.	Y		See note in Criteria (1) of Procedures for Removal and Disposal of Structures and Equipment.

STRATA ENERGY, INC. - KENDRICK EXPANSION AREA AMENDMENT TO SUA-1601 TECHNICAL REPORT CHECKLIST			
Section – Acceptance Criteria	**Present**	**Location in report**	**Note**
Chapter 6 – Groundwater Restoration, Surface Reclamation and Facility Decommissioning Plan			
Procedures for Removal and Disposal of Structures and Equipment			
(5) A contract between the licensee and a waste disposal operator exists to dispose of 11e.(2) byproduct material.	Y		See note in Criteria (1) of Procedures for Removal and Disposal of Structures and Equipment.
(6) The applicant commits to providing final (detailed) decommissioning plans for structures and equipment to the NRC for review and approval at least 12 months before the planned commencement of decommissioning of such structures and equipment.	Y		See note in Criteria (1) of Procedures for Removal and Disposal of Structures and Equipment and LC 10.3.
Methodologies for Conducting Post-Reclamation and Decommissioning Radiological Surveys			
(1) The cleanup criteria for radium in soils are met as provided in 10 CFR Part 40, Appendix A, Criterion 6(6).	Y	Section 6.4	This entire section incorporates by reference Section 6.4 of the approved Ross application.
(2) Background radionuclide concentrations are determined using appropriate methods as described in Section 2.9 of standard review plan.	Y		See note in Criteria (1) of Methodologies for Conduction Post-Reclamation and Decommissioning Radiological Surveys.
(3) Acceptable cleanup criteria for uranium in soil, such as those in Appendix E of standard review plan, are proposed by applicant.	Y		See note in Criteria (1) of Methodologies for Conduction Post-Reclamation and Decommissioning Radiological Surveys.
(4) For areas that already meet the radium cleanup criteria, but that still have elevated thorium levels, the applicant proposes an acceptable cleanup criterion for thorium-230.	Y		See note in Criteria (1) of Methodologies for Conduction Post-Reclamation and Decommissioning Radiological Surveys.

STRATA ENERGY, INC. - KENDRICK EXPANSION AREA AMENDMENT TO SUA-1601 TECHNICAL REPORT CHECKLIST			
Section – Acceptance Criteria	**Present**	**Location in report**	**Note**
Chapter 6 – Groundwater Restoration, Surface Reclamation and Facility Decommissioning Plan			
Methodologies for Conducting Post-Reclamation and Decommissioning Radiological Surveys			
(5) The survey method for verification of soil cleanup is designed to provide 95-percent confidence that the survey units meet the cleanup guidelines.	Y		See note in Criteria (1) of Methodologies for Conduction Post-Reclamation and Decommissioning Radiological Surveys.
Financial Assurance			
(1) The bases for establishing a financial surety in 10 CFR Part 40, Appendix A, Criterion 9, are satisfied.	Y	Section 6.5	This entire section incorporates by reference Section 6.5 and Addendum 6.1-A of the approved Ross application.
(2) All activities included in the cost estimate are activities that are included either in the reclamation plan or in the operation review completed using Sections 6.1 through 6.4 of this standard review plan.	NA		See note in Criteria (1) of Financial Assurance.
(3) All activities included either in the reclamation plan or in Sections 6.1 through 6.4 of standard review plan are included in the financial analysis.	NA		See note in Criteria (1) of Financial Assurance.
(4) The assumptions used for the proposed surety are consistent with what is known about the site and design and operations of the facility and its effluent control system.	NA		See note in Criteria (1) of Financial Assurance.
(5) Surety values are based on current dollars (or are adjusted for inflation) and reasonable costs for the required reclamation activities are defined.	NA		See note in Criteria (1) of Financial Assurance.

STRATA ENERGY, INC. - KENDRICK EXPANSION AREA AMENDMENT TO SUA-1601 TECHNICAL REPORT CHECKLIST			
Section – Acceptance Criteria	**Present**	**Location in report**	**Note**
Chapter 6 – Groundwater Restoration, Surface Reclamation and Facility Decommissioning Plan			
Financial Assurance			
(6) The applicant commits to funding the approved financial surety through one of the mechanisms described in 10 CFR Part 40, Appendix A, Criterion 9.	NA		See note in Criteria (1) of Financial Assurance.
(7) The applicant commits to updating the surety value annually, in response to changes in closure or decommissioning plans, and as necessitated by changes in the facility and its operations.	Y	Section 6.5	
(8) The applicant commits to extending the surety for an additional year if NRC has not approved a proposed revision 30 days prior to the surety expiration date.	NA		See note in Criteria (1) of Financial Assurance.
(9) The applicant commits to revising the surety arrangement within 3 months of NRC approval of a revised closure (decommissioning) plan if estimated costs exceed the amount of the existing financial surety.	NA		See note in Criteria (1) of Financial Assurance.
(10) Surety documentation includes a breakdown of costs; the basis for cost estimates with adjustments for inflation; a minimum 15-percent contingency; and changes in engineering plans, activities performed, and any other conditions affecting estimated costs for site closure.	NA		See note in Criteria (1) of Financial Assurance.

STRATA ENERGY, INC. - KENDRICK EXPANSION AREA AMENDMENT TO SUA-1601 TECHNICAL REPORT CHECKLIST			
Section – Acceptance Criteria	**Present**	**Location in report**	**Note**
Chapter 6 – Groundwater Restoration, Surface Reclamation and Facility Decommissioning Plan			
Financial Assurance			
(11) The licensee commits to submitting for NRC approval an updated surety to cover any planned expansion or operational change not included in the annual surety update at 90 days prior to beginning associated construction.	Y	Section 6.5	
(12) The licensee commits to providing NRC with copies of surety-related correspondence submitted to a state, a copy of the state's surety review, and the final approved surety arrangement.	NA		See note in Criteria (1) of Financial Assurance.
(13) Reclamation/decommissioning plan cost estimates, and annual updates should follow the outline in Appendix C to the standard review plan.	NA		See note in Criteria (1) of Financial Assurance.

STRATA ENERGY, INC. - KENDRICK EXPANSION AREA AMENDMENT TO SUA-1601 TECHNICAL REPORT CHECKLIST			
Section - Criteria	**Present**	**Location in report**	**Note**
Chapter 7 – Potential Environmental Impacts			
Potential Impacts during Construction for the Proposed Action			
(1) All anticipated significant environmental impacts from facility operations are identified and applicant provides (i) mitigation measures for these impacts (ii) justification for why impacts cannot be mitigated (iii) justification for why it is not necessary to mitigate these impacts to protect the local environment	Y	Sections 7.1 and 7.2	Incorporates by reference Chapter 4.0 of the KEA ER.
(2) The applicant demonstrates that the anticipated impacts on terrestrial and aquatic ecology, air quality, surface-and ground-water systems, land, and land use are environmentally acceptable.	Y	Sections 7.1 and 7.2	Incorporates by reference Chapter 4.0 of the KEA ER.

STRATA ENERGY, INC. - KENDRICK EXPANSION AREA AMENDMENT TO SUA-1601 TECHNICAL REPORT CHECKLIST			
Section - Criteria	**Present**	**Location in report**	**Note**
Chapter 7 – Environmental Effects			
Radiological Effects – Exposure from Water Pathways			
(1) The estimates of individual exposure to radionuclides at the site boundary meet the regulatory requirements in 10 CFR 20.1302(b0(2)(i). (2) Calculations of concentrations of radionuclides in receiving water at locations where water is consumed or is otherwise used by humans or where it is inhabited by biota of significance to human food chains are included in the compliance demonstration for public dose limits in 10 CFR 20.1301. (3) For facilities that generate liquid effluents, the relevant exposure pathways are included in a pathway diagram provided by the applicant. (4) The conceptual model (scenarios and exposure pathways) is similar to and consistent with methodologies for liquid effluent exposure pathways in Regulatory Guide 1.109. (5) The conceptual model used for calculating the source term and individual exposures from liquid effluents at the facility boundary is representative of conditions described at the site, as reviewed in Section 2.0 of the standard review plan. (6) The parameters used to estimate the source term, environmental concentrations and exposures are applicable to conditions at the site, as reviewed in Section 2.0 of the standard review plan.	NA		This section is not applicable, since liquid effluents will not be released at the KEA. All process liquids will be released at the licensed Ross CPP.

STRATA ENERGY, INC. - KENDRICK EXPANSION AREA AMENDMENT TO SUA-1601 TECHNICAL REPORT CHECKLIST			
Section - Criteria	**Present**	**Location in report**	**Note**
Chapter 7 – Environmental Effects			
Radiological Effects - Exposures from Air Pathways			
(1) The estimates of individual exposure to radionuclides at the site boundary meet the regulatory requirements in 10 CFR 20.1302(b)(2)(i) with regard to annual average concentrations in airborne effluents or the dose limit in 10 CFR 20.1301.	Y	Section 7.3	
(2) Calculations of concentrations of radionuclides in air at locations downwind where residents live or where biota of significance to human food chains exist are included in the compliance demonstration for public dose limits in 10 CFR 20.1301.	Y	Section 7.3	
(3) Relevant airborne exposure pathways are included in the pathway diagram provided by the applicant.	Y	Section 7.3	
(4) The conceptual model used for calculating the source term and individual exposures from airborne effluents at the facility boundary is representative of conditions described at the site as reviewed in Section 2.0 of this standard plan.	Y	Section 7.3	
(5) The parameters used to estimate the source term, environmental concentrations, and exposures are applicable to conditions at the site, as reviewed in Section 2.0 of this standard review plan.	Y	Section 7.3	

STRATA ENERGY, INC. - KENDRICK EXPANSION AREA AMENDMENT TO SUA-1601 TECHNICAL REPORT CHECKLIST			
Section - Criteria	**Present**	**Location in report**	**Note**
Chapter 7 – Environmental Effects			
Radiological Effects - Exposures to Flora and Fauna			
(1) The model and parameters values used for calculation of concentrations of radionuclides in important local flora and fauna are consistent with generally accepted health physics practices and are applicable to the species identified at the site, as reviewed in Section 2.0 of the standard review plan.	Y	Section 7.3	As approved in the Ross SER and memorialized in LC 12.7, vegetation sampling is not required until certain trigger values are met. Any trigger values established for vegetation for the Ross ISR project will be incorporated by reference into the KEA application
Non-Radiological Effects			
(1) The estimated concentrations of non-radiological wastes in effluents at the point of discharge and the projected effects for both acute and chronic exposure of the biota are adequately quantified in accordance with the NEPA Act of 1969 requirements in 10 CFR 51.45 and 51.60.	Y	Section 7.4	Incorporates by reference Section 4.6 of the KEA ER.
Effects of Accidents			
(1) The applicant has provided analyses of credible accident consequences that are consistent with the facility design and planned operations and are sufficient to identify likely environmental impacts from operations.	Y	Section 7.5	This entire section incorporates by reference Sections 3.1.4, 5.3, and 7.5 of the approved Ross application. Also incorporates requirements of LCs 12.2 and 12.11. Additional information required by pre-operational license conditions is incorporated by reference into the KEA application.
(2) Analyses of accident consequences include mitigation measures, as appropriate.	Y		See note in Criteria (1) of Effects of Accidents.

STRATA ENERGY, INC. - KENDRICK EXPANSION AREA AMENDMENT TO SUA-1601 TECHNICAL REPORT CHECKLIST			
Section - Criteria	**Present**	**Location in report**	**Note**
Chapter 7 – Environmental Effects			
Effects of Accidents			
(3) Analyses of accidents include results from operating experience at similar facilities	Y		See note in Criteria (1) Effects of Accidents.
(4) For radiological accidents, the applicant's response program provides for notification to NRC in compliance with the requirements of 10 CFR 20.2202 and 20.2203.	Y		See note in Criteria (1) of Effects of Accidents.

NRC FORM 313 (10-2005) 10 CFR 30, 32, 33, 34, 35, 36, 39, and 40

U.S. NUCLEAR REGULATORY COMMISSION

APPLICATION FOR MATERIAL LICENSE

APPROVED BY OMB: NO. 3150-0120 EXPIRES: 10/31/2008

Estimated burden per response to comply with this mandatory collection request: 4.4 hours. Submittal of the application is necessary to determine that the applicant is qualified and that adequate procedures exist to protect the public health and safety. Send comments regarding burden estimate to the Records and FOIA/Privacy Services Branch (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to infocollects@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0120), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

INSTRUCTIONS: SEE THE APPROPRIATE LICENSE APPLICATION GUIDE FOR DETAILED INSTRUCTIONS FOR COMPLETING APPLICATION. SEND TWO COPIES OF THE ENTIRE COMPLETED APPLICATION TO THE NRC OFFICE SPECIFIED BELOW.

APPLICATION FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH:

DIVISION OF INDUSTRIAL AND MEDICAL NUCLEAR SAFETY
OFFICE OF NUCLEAR MATERIALS SAFETY AND SAFEGUARDS
U.S. NUCLEAR REGULATORY COMMISSION
WASHINGTON, DC 20555-0001

ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS:

IF YOU ARE LOCATED IN:

ALABAMA, CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, FLORIDA, GEORGIA, KENTUCKY, MAINE, MARYLAND, MASSACHUSETTS, MISSISSIPPI, NEW HAMPSHIRE, NEW JERSEY, NEW YORK, NORTH CAROLINA, PENNSYLVANIA, PUERTO RICO, RHODE ISLAND, SOUTH CAROLINA, TENNESSEE, VERMONT, VIRGINIA, VIRGIN ISLANDS, OR WEST VIRGINIA, SEND APPLICATIONS TO:

LICENSING ASSISTANCE TEAM
DIVISION OF NUCLEAR MATERIALS SAFETY
U.S. NUCLEAR REGULATORY COMMISSION, REGION I
475 ALLENDALE ROAD
KING OF PRUSSIA, PA 19406-1415

IF YOU ARE LOCATED IN:

ILLINOIS, INDIANA, IOWA, MICHIGAN, MINNESOTA, MISSOURI, OHIO, OR WISCONSIN, SEND APPLICATIONS TO:

MATERIALS LICENSING BRANCH
U.S. NUCLEAR REGULATORY COMMISSION, REGION III
2443 WARRENVILLE ROAD, SUITE 210
LISLE, IL 60532-4352

ALASKA, ARIZONA, ARKANSAS, CALIFORNIA, COLORADO, HAWAII, IDAHO, KANSAS, LOUISIANA, MONTANA, NEBRASKA, NEVADA, NEW MEXICO, NORTH DAKOTA, OKLAHOMA, OREGON, PACIFIC TRUST TERRITORIES, SOUTH DAKOTA, TEXAS, UTAH, WASHINGTON, OR WYOMING, SEND APPLICATIONS TO:

NUCLEAR MATERIALS LICENSING BRANCH
U.S. NUCLEAR REGULATORY COMMISSION, REGION IV
611 RYAN PLAZA DRIVE, SUITE 400
ARLINGTON, TX 76011-4005

PERSONS LOCATED IN AGREEMENT STATES SEND APPLICATIONS TO THE U.S. NUCLEAR REGULATORY COMMISSION ONLY IF THEY WISH TO POSSESS AND USE LICENSED MATERIAL IN STATES SUBJECT TO U.S.NUCLEAR REGULATORY COMMISSION JURISDICTIONS.

1. THIS IS AN APPLICATION FOR *(Check appropriate item)*

- ☐ A. NEW LICENSE
- ☑ B. AMENDMENT TO LICENSE NUMBER SUA-1601
- ☐ C. RENEWAL OF LICENSE NUMBER

2. NAME AND MAILING ADDRESS OF APPLICANT *(Include ZIP code)*

Strata Energy, Inc.
1900 Warlow Drive, Bldg A
P.O. Box 2318
Gillette, WY 82717

3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED

Strata Energy, Inc.
Ross ISR Project
2929 New Haven Rd,
Oshoto, WY 82721

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

Mr. Michael Griffin

TELEPHONE NUMBER

(307) 686-4066

SUBMIT ITEMS 5 THROUGH 11 ON 8-1/2 X 11" PAPER. THE TYPE AND SCOPE OF INFORMATION TO BE PROVIDED IS DESCRIBED IN THE LICENSE APPLICATION GUIDE.

5. RADIOACTIVE MATERIAL
a. Element and mass number; b. chemical and/or physical form; and c. maiximum amount which will be possessed at any one time.

6. PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED.

7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING EXPERIENCE.

8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS.

9. FACILITIES AND EQUIPMENT.

10. RADIATION SAFETY PROGRAM.

11. WASTE MANAGEMENT.

12. LICENSE FEES *(See 10 CFR 170 and Section 170.31)*

FEE CATEGORY 2.A.(2) | AMOUNT ENCLOSED $ 0.00

13. CERTIFICATION. *(Must be completed by applicant)* THE APPLICANT UNDERSTANDS THAT ALL STATEMENTS AND REPRESENTATIONS MADE IN THIS APPLICATION ARE BINDING UPON THE APPLICANT.

THE APPLICANT AND ANY OFFICIAL EXECUTING THIS CERTIFICATION ON BEHALF OF THE APPLICANT, NAMED IN ITEM 2, CERTIFY THAT THIS APPLICATION IS PREPARED IN CONFORMITY WITH TITLE 10, CODE OF FEDERAL REGULATIONS, PARTS 30, 32, 33, 34, 35, 36, 39, AND 40, AND THAT ALL INFORMATION CONTANED HEREIN IS TRUE AND CORRECT TO THE BEST OF THEIR KNOWLEDGE AND BELIEF.

WARNING: 18 U.S.C. SECTION 1001 ACT OF JUNE 25, 1948 62 STAT. 749 MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION.

CERTIFYING OFFICER -- TYPED/PRINTED NAME AND TITLE	SIGNATURE	DATE
Michael Griffin, VP-Permitting, Regulatory and Environmental C		03/20/15

FOR NRC USE ONLY

TYPE OF FEE	FEE LOG	FEE CATEGORY	AMOUNT RECEIVED	CHECK NUMBER	COMMENTS
			$		
APPROVED BY				DATE	

ROSS ISR PROJECT

KENDRICK AMENDMENT to SOURCE MATERIALS LICENSE SUA-1601

NRC Form 313 Attachment

Items 5 Through 11

Licensee:

Strata Energy, Inc.

1900 Warlow Drive, Bldg A

P.O. Box 2318

Gillette, WY 82717

5. RADIOACTIVE MATERIAL

a) Element and Mass Number:

Natural Uranium

b) Chemical and/or Physical Form:

Chemical Form - U_3O_8

Solution of 0 to 50 grams/liter

Dried Yellowcake - 50% to 80% U

c) Maximum Amount Which Will Be Possessed At Any One Time:

Unlimited

6. PURPOSE(S) FOR WHICH MATERIAL WILL BE USED:

Fuel for the generation of electricity from nuclear power plants.

7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING EXPERIENCE:

Individual: Michael Griffin – VP-PREC and RSO

Experience: Over 35 years of uranium field operations including **15+** years as both a site and corporate EHS manager.

8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS:

Information regarding this subject is provided in detail in Chapter 5 of the approved Ross ISR Project Technical Report provided as part of the Source Material License Application.

9. FACILITIES AND EQUIPMENT:

Information on the Ross ISR Project Facilities and Equipment is provided in detail in Chapter 3 of the approved Ross ISR Project Technical Report provided as part of the Source Material License Application.

10. RADIATION SAFETY PROGRAM:

Information regarding this subject is provided in detail in Chapter 5 of the approved Ross ISR Project Technical Report Source Material License Application.

11. WASTE MANAGEMENT:

Information on this subject is provided in detail in Chapter 4 of the approved Ross ISR Project Technical Report provided as part of the Source Material License Application.